

## **AMENDMENTS TO THE SPECIFICATION**

Please replace the title with the following amended title:

T CELL RECEPTOR CDR3 SEQUENCES ASSOCIATED WITH MULTIPLE SCLEROSIS AND COMPOSITIONS COMPRISING SAME METHODS FOR DETECTION

Please replace the Abstract with the following amended Abstract:

The present invention relates generally to the field of ~~treating autoimmune diseases, such as multiple sclerosis (MS), rheumatoid arthritis (RA) and others. Methods of treating and monitoring~~ multiple sclerosis ~~an autoimmune disease~~ by utilizing T-cell receptors peptides ~~are disclosed. In particular, N~~nucleic acids and peptide sequences of T-cell receptors found in a population of MS patients ~~are also disclosed~~ provided, along with compositions comprising such TCR peptides for use in, e.g., vaccines.